

September 18, Monday
Plenary Session
BLTP Conference Hall

September 19, Tuesday
Plenary Session
BLTP Conference Hall

10:00-10:15 **Grigory Trubnikov, JINR**
 Opening

Chairman S. Bondarenko

10:15-10:55 **Pavel Zarubin, JINR**

Experimental research at the JINR Synchrotron (on the occasion of the 70th anniversary of the V.I. Veksler and A.M. Baldin Laboratory for High Energy Physics)

10:55-11:35 **Alexandr Malakhov, JINR**

30th anniversary of the Nuclotron

11:35-12:10 Group photo, coffee break

Chairman A. Malakhov

Memorial session dedicated to Professor V.V.Burov

12:10-12:30 **Nelly Konopleva, Russia**

V.V. Burov and Baldin Conference

12:30-12:50 **Stepan Shimanskiy, JINR**

From "FLUCTUONS" to multi-quark states in the nuclear matter

12:50-13:10 **Serge Bondarenko, JINR**

Professor V.V. Burov and relativistic few-body problem

13:10-14:30 Break

Chairman A. Borissov

14:30-15:10 **Yury Kudenko, Russia**

Neutrino physics: new results and prospects

15:10-15:50 **Aleksandr Malakhov, JINR**

Investigation of Relativistic Nuclear Collisions in the Four-velocity Space

15:50-16:00 Break

Chairman Yu. Kudenko

16:00-16:40 **Alexander Zakharov, Russia/JINR**

Neutron stars and black holes as laboratories of fundamental physics

16:40-17:20 **Peter Lukin, Russia**

Recent Results from the CMD-3 detector at the VEPP-2000 e+e- Collider

17:20-17:50 **Alexander Borissov, Russia**

Sigma hyperons production in pp and p-Pb collisions at LHC with ALICE

18:00 Welcome party (BLTP Cafeteria)

09:00-09:30 **Viktor Riabov, Russia**

Status and first physics capabilities of the MPD at NICA

09:30-10:00 **Andrei Kataev, Russia**

On manifestation of conformal symmetry and of its violation in perturbative QCD expressions

10:00-10:30 **Valentin Zakharov, Russia**

Hydro-gravity duality and limit of vanishing Newtonian constant

Coffee break 10:30-10:50

Chairman V. Riabov

10:50-11:20 **Artem Korobitsin, JINR**

STAR experiment results from BES program

11:20-11:50 **Arkadiy Taranenko, JINR**

Anisotropic collective flow measurements from LHC to SIS

11:50-12:10 **Yubing Dong, China**

On form factors of a spin-3/2 particle and its generalized parton distribution functions

12:10-12:50 **Maria Patsyuk, JINR**

Status of the Short-Range Correlation program at JINR

12:50-14:30 Break

September 19, Tuesday
Parallel Session I
BLTP Conference Hall

September 19, Tuesday
Parallel Session II
Blokhintsev Auditorium

Nuclear astrophysics; Structure functions of hadrons and nuclei

Chairman Ts. Baatar

14:30-15:00 **Vladimir Melezhik, JINR**

Resonance amplification of nuclear reaction $X(a,b)Y$ near $a+X$ channel threshold

15:00-15:20 **Ivan Karpikov, Russia**

Reconstruction of the characteristics of a high-energy event detected by the Carpet-2 array in association with the GRB 221009A gamma-ray burst

15:20-15:40 **Semyon Mikheev, Russia**

Hypertronic interactions in neutron stars

15:40-16:10 **Leonid Kaptari, JINR**

Temperature Dependence of Gluon Propagators within a Rainbow Truncation of Dyson-Schwinger Equations

16:10-16:30 Coffee break

Progress in experimental studies in high energy centers

Chairman L. Kaptari

16:30-16:50 **Evgeniy Kurbatov, Russia**

SHIP experiment and the problem of high-dimensional Muon Shield optimization

16:50-17:10 **Vladimir Zherebchevsky, Russia**

New vertex detector systems for particle registration in high-energy physics and possible use these technologies for NICA experiments

17:10-17:30 **Vladimir Bocharnikov, Russia**

Performance study of the neutron reconstruction using HGN detector at the BM@N experiment

17:30-17:50 **Baatar Tseepeldorj, Mongolia**

Cumulative proton production in $p+C$ interaction at 4.2 GeV/c and 10 GeV/c and the uncertainty principle

19:00 Concert (Scientific Club)

Dubna, Russia
Joint Institute for Nuclear Research

Dubna, Russia
Joint Institute for Nuclear Research

Relativistic heavy ion collisions; NICA/MPD/SPD in JINR

Chairman G. Gamboid

14:30-14:50 **Grigory Feofilov, Russia**

Some highlights on studies of strangeness and charm in heavy ion collisions by ALICE at LHC

14:50-15:10 **Ramin Barak, JINR**

Study of the possibility of lambda hyperon and short-lived neutral kaon reconstruction in the BM@N experiment

15:10-15:30 **Vasilii Plotnikov, JINR**

Study of the π^+ and K^+ production in ion-ion collisions at 3.2 GeV/n at the Nuclotron

15:30-15:50 **Vadim Kolesnikov, JINR**

Perspectives for the study of hyperon and hypernuclei production in heavy-ion collisions at NICA/MPD

15:50-16:10 **Diyana Suvarieva, Bulgaria/JINR**

Optimization of techniques for lambda hyperon measurement at MPD/NICA

16:10-16:30 Coffee break

Relativistic heavy ion collisions

Chairman G. Feofilov

16:30-16:50 **Natalia Kolomojets, JINR**

The Hubble constant in Heavy Ion Collisions

16:50-17:10 **Egor Alpatov, Russia**

Global polarization of Xi hyperons in Au+Au collisions in the STAR experiment

17:10-17:30 **Dmitrii Sychev, JINR**

Negative moment of inertia and rotational instability of gluon plasma

17:30-17:50 **Valery Lyuboshitz, JINR**

On the coherent inelastic binary and multiparticle processes in ultrarelativistic hadron-nucleus, photon-nucleus and nucleus-nucleus collisions

19:00 Concert (Scientific Club)

September 20, Wednesday

Excursions to Tver or NICA complexDubna, Russia
Joint Institute for Nuclear ResearchSeptember 21, Thursday
Parallel Session I
BLTP Conference Hall**Quantum chromodynamics at large distances**Chairman A. Kotikov09:00-09:20 **Vitalii Petrov, Russia**The possibilities of search for the local strong P-symmetry breaking in decay of charged a_0 meson in $3\pi^\pm$ decay channel09:20-09:40 **Igor Anikin, JINR**

The Gortshni-Isaev vacuum integrations and UV(IR)-regime

09:40-10:00 **Alexander Osipov, JINR**Light Quark Masses in the $1/N_c$ Nambu-Jona-Lasinio model10:00-10:20 **Lev Alimov, Russia**Associated J/ψ - γ production in high-energy limit of QCD10:20-10:40 **Anton Anufriev, Russia**Production of η_c -mesons at high energy in proton-proton collisions**Coffee break 10:40-11:00****Quantum chromodynamics at large distances**Chairman I. Anikin11:00-11:20 **Anatoly Kotikov, JINR**

On Fractional Analytic QCD beyond Leading Order

11:20-11:40 **Gurjav Ganbold, JINR**Hidden-charm strong decays of charmonium-like state $\Upsilon(4230)$ 11:40-12:00 **Alexander Parkhomenko, Russia**Impact of Long-Distance Contributions on Semileptonic $B \rightarrow \pi^+ l^+ l^-$ Decay12:00-12:20 **Vyacheslav Yukalov, JINR**

Strong-coupling extrapolation of Gell-Mann-Low functions

12:20-12:40 **Alexey Chernyshev, Russia**

Associated production of heavy quarkonia and D mesons in the high energy factorization

12:40-13:00 **Igor Obukhovskiy, Russia**

Transition amplitudes at high momentum transfer for electroexcitation of low lying nucleon resonances in a light-front quark model

13.00-14.30 BreakDubna, Russia
Joint Institute for Nuclear Research

**September 21, Thursday
Parallel Session II
Blokhintsev Auditorium**

**September 21, Thursday
Parallel Session III
2nd floor Auditorium**

Relativistic heavy ion collisions, NICA/MPD/SPD in JINR

- 09:00-09:20 **Yuri Kulchitsky, JINR**
Femtoscopy in pp collisions at 13 TeV with ATLAS at LHC
- 09:20-09:40 **Egor Bannikov, Russia**
Hadron elliptic flow measurements at PHENIX
- 09:40-10:00 **Alexander Demanov, Russia**
Elliptic flow fluctuations at NICA energy range
- 10:00-10:20 **Petr Parfenov, Russia**
Performance study of the anisotropic flow measurements of identified charged hadrons with fixed-target mode of the MPD experiment at NICA
- 10:20-10:40 **Evgeny Andronov, Russia**
Azimuthal flow as a probe of color string fusion in p+p collisions

Coffee break 10:40-11:00

Relativistic heavy ion collisions; NICA/MPD/SPD in JINR

- 11:00-11:20 **Mikhail Mamaev, Russia**
Directed and elliptic flow of protons in the heavy ion collisions at 2-4 GeV
- 11:20-11:40 **Vadim Volkov, Russia**
Performance of BM@N Scintillation Wall in Xe+CsI@3.8 AGeV run
- 11:40-12:00 **Marimuthu Natarajan, JINR**
Observations of projectile neutrons in the relativistic fragmentations
- 12:00-12:20 **Ilya Segal, Russia**
Methods for centrality determination in heavy-ion collisions based on Monte-Carlo sampling of spectator fragments
- 12:20-12:40 **Vladimir Kovalenko, Russia**
Glauber modelling of the relativistic nuclear collisions at partonic level
- 12:40-13:00 **Svetlana Belokurova, Russia**
Multiplicity correlations in the model with string clusters in pp collisions at LHC energies

13:00-14:30 Break

Applied use of relativistic beams

09:00-09:20 **Ivan Yudin, JINR**

Investigations of transmutation of actinides ^{237}Np , 238 , ^{239}Pu , ^{241}Am at JINR accelerators within the framework of the programs "Energy - Transmutation" and "YASNAPP". Investigation of isomerism and yields of odd holmium nuclei ($A = 156, 158, 160$) when irradiating a ^{165}Ho target at JINR accelerators within the framework of the programs "Energy - Transmutation" and "YASNAPP"

09:20-09:40 **Yury Vaganov, JINR**

JINR Investigation of the structure and of the yields of nuclei obtained using targets ^{238}U , ^{209}Bi at JINR accelerators: "Phasotron" ($E_p=660\text{ MeV}$) and "Linak-200" within the framework of the programs "Energy - Transmutation" and "YASNAPP". Studies of superconducting properties of high-temperature conductors by methods of nuclear spectroscopy at the accelerator the NICA complex within the framework of the programs "Energy - Transmutation" and "YASNAPP"

09:40-10:00 **Igor Pshenichnov, Russia**

Proton and carbon-ion minibeam therapy: from modelling to treatment

10:00-10:20 **Mihaela Paraiapan, JINR**

Energy Production in Subcritical Fission Reactors

10:20-10:40 **Krystina Husak, Belarus**

Monte-Carlo simulation of quasi-infinite depleted uranium target irradiated by $1 \dots 10$ GeV deuteron and proton beam

Coffee break 10:40-11:00

11:00-11:20 **Artem Glebov, JINR**

Analysis of dose-dependent effects based on the statistical significance data of the irradiation effect on neurogenesis in C57BL/6J mice

11:20-11:40 **Pavel Lobachevsky, JINR**

Radiobiological research on heavy ions in LRB JINR

11:40-12:00 **Sergey Shulga, JINR**

Measurements of the quark and gluon jet macro parameters with the CMS

12:00-12:20 **Dmitry Dryablov, JINR**

Three-arm spectrometer SCAN3 at the Nuclotron internal target

12:20-12:40 **Boris Kostenko, JINR**

On the possibility of observing weakly excited 6-quark states in $d-d \rightarrow 6q+d$ scattering processes at the NICA SPD

12:40-13:00 **Denis Artemenkov, JINR**

Fragmentation features of Be, B nuclei in nuclear track emulsions

September 21, Thursday
Parallel Session I
BLTP Conference Hall

Structure functions of hadrons and nuclei

- 14:30-14:50 **Andrej Arbuzov, JINR**
Parton distribution functions in QED
- 14:50-15:10 **Aleksei Kampf, JINR**
SANC capabilities at low angles Bhabha scattering
- 15:10-15:30 **Vadim Haurysh, Belarus**
Radiative decay of pseudoscalar mesons in relativistic quark model
- 15:30-15:50 **Vladimir Druzhinin, Russia**
Study of e+e- annihilation into hadrons with SND at VEPP-2000
- 15:50-16:10 **Gennady Lykasov, JINR**
Gluon distribution in nucleon and its application to analysis of pp and AA collisions at high energies

Chairman A. Parvan

16:10-16:30 Coffee break

Structure functions of hadrons and nuclei

- 16:30-16:50 **Olga Solovtsova, Belarus/JINR**
Contributions of QED diagrams with vacuum polarization insertions to the lepton anomaly within the Mellin-Barnes representation
- 16:50-17:10 **Maxim Malyshev, Russia**
New results in kt-factorization for ep-processes
- 17:10-17:40 **Artem Roenko, JINR**
Mixed confinement-deconfinement phases in rotating gluon plasma
- 17:40-18:00 **Vladimir Bytev, JINR**
Differential equation approach in calculation of Feynman diagram

Chairman A. Arbuzov

19:00 Banquet (VBLHEP Canteen)

Dubna, Russia
Joint Institute for Nuclear Research

September 21, Thursday
Parallel Session II
Blokhintsev Auditorium

Relativistic heavy ion collisions

- 14:30-14:50 **Katerina Kazakova, Russia/JINR**
The matrix method for estimating the background induced by the misidentification of a jet as a photon in pp collider experiment
- 14:50-15:10 **Richard Lednicky, JINR**
Probing a core of the interaction potential of two lambda-hyperons with femtoscopic correlations at LEP
- 15:10-15:30 **Agnia Zviagina, Russia**
Model investigation of transverse cumulants of different orders in nuclear-nuclear collisions
- 15:30-15:50 **Oleg Rogachevskiy, JINR**
Two particle correlations in ion collisions
- 15:50-16:10 **Semyon Sidorov, Russia**
Exotic Λ -hypernuclei: stability and charge symmetry breaking

Chairman S. Shimanskiy

16:10-16:30 Coffee break

Relativistic heavy ion collisions

- 16:30-16:50 **Sergey Kiselev, Russia**
Hadronic resonance production with ALICE at the LHC
- 16:50-17:10 **Alexander Mudrokh, JINR**
MPD feasibility for the study of identified hadron spectra at $\sqrt{s_{NN}} = 9.2$ GeV
- 17:10-17:30 **Egor Nedorezov, JINR**
Description of charged particle dependence on transverse momentum with Tsallis-like distribution
- 17:30-17:50 **Alexandru Parvan, JINR**
Tsallis statistics with escort probabilities and transverse momentum distributions of hadrons
- 17:50-18:10 **Mikhail Barabanov, JINR**
Probing of exotic multiquark states in hadron and heavy ion collisions

Chairman O. Rogachevskiy

19:00 Banquet (VBLHEP Canteen)

Dubna, Russia
Joint Institute for Nuclear Research

September 21, Thursday
Parallel Session III
2nd floor Auditorium

September 22, Friday
Parallel Session I
BLTP Conference Hall

NICA/MPD/SPD in JINR

- 14:30-14:50 **Slavomir Hnatic, JINR**
New Developments in MPD Data Analysis Framework
- 14:50-15:10 **Dmitrii Zinchenko, JINR**
Development of the Vector Finder toolkit for track reconstruction in the BM@N experiment
- 15:10-15:30 **Dmitry Baranov, JINR**
Detailed Simulation of Inner Tracker for the first physics run in the BM@N experiment
- 15:30-15:50 **Nurlan Barlykov, JINR**
Simulation of silicon detectors of the MiniSPD setup
- 15:50-16:10 **Sergey Mokhnenko, Russia**
Generative machine learning approach for fast simulation of the Time Projection Chamber responses at the MPD detector

16:10-16:30 Coffee break

NICA/MPD/SPD in JINR

- 16:30-16:50 **Stanislav Vokál, Slovakia**
The golden age of Dubna emulsion experiments
- 16:50-17:10 **Yury Uzikov, JINR**
Double spin correlations in elastic proton-proton and proton-neutron scattering at large angles in the reaction $dd \rightarrow ppn$
- 17:10-17:40 **Alexei Larionov, JINR**
Fast proton interaction with a short-range NN correlation in 12C
- 17:40-18:00 **Alexander Silenko, JINR**
Prevalence of production of twisted particles in heavy-ion collisions

19:00 Banquet (VBLHEP Canteen)

Dubna, Russia
Joint Institute for Nuclear Research

Structure functions of hadrons and nuclei

- 09:00-09:20 **Sergey Yurev, JINR**
Relativistic generalization of the Faddeev-Yakubovsky equation and its application to the study of the helium-4 nucleus
- 09:20-09:40 **Alexey Eskin, Russia**
Energy levels of pionic and kaonic helium in variational approach
- 09:40-10:00 **Fedor Martynenko, Russia**
Hadronic light by light contribution in the muonium hyperfine splitting
- 10:00-10:20 **Victor Robuk, JINR**
A model of an elementary material object
- 10:20-10:40 **Ibragim Alikhanov, Russia**
Contribution from the CP-conjugate of the Glashow resonance to the total neutrino-nucleus cross section
- Coffee break 10:40-11:00**

Polarization phenomena, spin physics

- 11:00-11:20 **Georgiy Prokhorov, JINR**
Novel quantum phase transition in heavy ion collisions
- 11:20-11:40 **Valery Troshin, Russia**
Global polarization of lambda hyperons and its correlation with directed flow in the MPD experiment
- 11:40-12:00 **Ivanhoe Pestov, JINR**
Nature of Nuclear Matter
- 12:00-12:20 **Anatoli Zelenski, Russia**
Optically Pumped Polarized ${}^3\text{He}^{++}$ Ion Source Development for RHIC/EIC
- 12:20-12:40 **Gennadii Volkov, Russia**
Generalization of the concept of unitarity in the quantum basis of color and three quark-lepton generations
- 12:40-13:00 **Alexander Machavariani, Georgia/JINR**
Relativistic field-theoretical approach of the vector meson resonance production in reaction $A+B \rightarrow V+X \rightarrow 1+2+X$ and determination of the location of the spin quantization axis of the vector meson-resonance V via the cross sections of the subreactions $A+B \rightarrow V+X$ and $V \rightarrow 1+2$
- 13:00-14:30 Break**

Chairman O. Teryaev

Chairman P. Parfeneyev

Dubna, Russia
Joint Institute for Nuclear Research

September 22, Friday
Parallel Session II
Blokhintsev Auditorium

Chairman E. Kokouline

Relativistic heavy ion collisions

- 09:00-09:20 **Dorota Kotlorz, JINR**
NLO pQCD analysis of semi-inclusive pion and kaon production in proton-proton and heavy-ion collisions at the STAR and NICA kinematics. Tests of the parametrizations of Fragmentation Functions
- 09:20-09:40 **Anna Kraeva, Russia**
Two-Pion Femtoscopic Correlations in Au+Au Collisions at $\sqrt{s_{NN}} = 3$ GeV from STAR
- 09:40-10:00 **Vinh Luong, JINR**
Identical Pion Interferometry from Au+Au Collisions at $\sqrt{s_{NN}} = 3.2, 3.5,$ and 3.9 GeV in the STAR Experiment at RHIC
- 10:00-10:20 **Olga Shaposhnikova, Russia**
Open and hidden strangeness with kaons and ϕ -mesons in Bjorken energy density approach for central A+A collisions from SPS to LHC
- 10:20-10:40 **Konstantin Mikhaylov, Russia/JINR**
Femtoscopic correlations of charged kaons in Au-Au collisions at BES-I STAR energy region with the UrQMD model
- Coffee break 10:40-11:00**

Quantum chromodynamics at large distances, Dynamics of multiparticle production

Chairman A. Taranenko

- 11:00-11:20 **Vladimir Uzhinsky, JINR**
Tuning of Geant4 FTF model using NA61/SHINE experimental data
- 11:20-11:40 **Elena Kokouline, JINR**
Active role of gluons in multiparticle production
- 11:40-12:00 **Sergey Borzakov, JINR**
Experiments to search for singlet deuteron and problem of the dineutron
- 12:00-12:20 **Vladimir Kurbatov, JINR**
Resolution of Spd Detector in the Search of Dibarions with small energy excitations
- 12:20-12:40 **Fedor Guber, Russia**
The Development of High Granular Neutron Time-of-Flight Detector for the BM@N Experiment
- 12:40-13:00 **Nikolay Karpushkin, Russia**
Time-over-threshold method based on the time properties of plastic scintillators equipped with silicon photomultipliers for the BM@N High-Granular Neutron detector
- 13:00-14:30 Break**

Dubna, Russia
Joint Institute for Nuclear Research

September 22, Friday
Parallel Session III
2nd floor Auditorium

Chairman A. Litvinenko

NICA/MPD/SPD in JINR

- 09:00-09:20 **Yuri Murin, JINR**
Modern microelectronics to NICA projects
- 09:20-09:40 **Sofiya Sokolova, JINR**
Wide-gap Resistive Plate Chamber for the trigger system of the TOF MPD test bench
- 09:40-10:00 **Genadii Milnov, JINR**
Status of the Luminosity Detector for the NICA/MPD
- 10:00-10:20 **Katherin Shejter, JINR**
Local polarimetry with inclusive neutral pions in SPD at NICA
- 10:20-10:40 **Viacheslav Kulikov, Russia**
Calibration methods for half-sectors of the MPD/NICA electromagnetic calorimeter on cosmic ray muons

Coffee break 10:40-11:00

NICA/MPD/SPD in JINR

Chairman V. Kulikov

- 11:00-11:30 **Anatoly Litvinenko, JINR**
Beams collision monitoring and luminosity measurements in the interaction point at MPD/NICA
- 11:30-11:50 **Sultan Musin, Russia**
Centrality determination method based on observables from TPC and FHCAL at MPD/NICA
- 11:50-12:10 **Alexander Strizhak, Russia**
Energy calibration of Forward Hadron Calorimeter at MPD with cosmic muons
- 12:10-12:30 **Evgeny Usenko, Russia**
The TOT method with pulse former based on Raised-cosine filter
- 12:30-12:50 **Arseniy Zakharov, Russia**
Materials selection of the SPD Beam-Beam Counter scintillator detector prototype

Dubna, Russia
Joint Institute for Nuclear Research

September 22, Friday
Parallel Session I
BLTP Conference Hall

September 22, Friday
Parallel Session II
Blokhintsev Auditorium

Polarization phenomena, spin physics

- 14:30-14:50 **Anton Druzhinin, JINR**
New drift chambers for ALPOM-2 experiment
- 14:50-15:10 **Evgeny Tsyplakov, Russia/JINR**
Spin flipping of a deuteron beam by correcting quadrupoles in Nuclotron/JINR
- 15:10-15:30 **Vladimir Kondratyev, JINR**
Structure and synthesis of magnetized heavy nuclei
- 15:30-15:50 **Nikolay Piskunov, JINR**
Beam polarimetry in the NICA collider using a proton cluster target
- 15:50-16:10 **Dmitry Kirillov, JINR**
Measurement of analyzing power in n+CH scattering at 3.75 GeV/c

Dynamics of multiparticle production

- 14:30-14:50 **Anton Baldin, JINR**
Basic concepts of relativistic nuclear physics formulated by A.M.Baldin and their development as applied to the acceleration complex NICA
- 14:50-15:10 **Elina Baldina, JINR**
Self-similarity approach in relativistic physics
- 15:10-15:30 **Mikhail Tokarev, JINR**
On a signature of phase transition in heavy ion nuclear matter
- 15:30-15:50 **Tatiana Dedovich, JINR**
Search for Fractal Structures in Monte - Carlo AuAu Events at Energy $\sqrt{s_{NN}} = 200$ GeV by SePaC Method
- 15:50-16:10 **Khachik Abraamyan, JINR**
Observation of structures at ~ 17 and ~ 38 MeV/c² in the $\gamma\gamma$ invariant mass spectra in pC, dC, and dCu collisions at plab of a few GeV/c per nucleon

16:10-16:30 Coffee break

Polarization phenomena, spin physics

- 16:30-16:50 **Alexander Titov, JINR**
Non-linear processes in electron-laser and photon-laser interactions
- 16:50-17:10 **Oleg Selyugin JINR**
Dependence of structure of elastic scattering amplitude on Mandelstam variables at high energies
- 17:10-17:30 **Daria Volkova, JINR**
Invariants for angular distributions in lepton pair production
- 17:30-17:50 **Yury Filatov, Russia**
Preservation of the proton polarization up to 3.5 GeV/c in the Nuclotron at JINR using correcting dipoles and a weak solenoid
- 17:50-18:10 **Roman Shindin, JINR**
Search for Polarized Phenomena at Nuclotron

16:10-16:30 Coffee break

Dynamics of multiparticle production

- 16:30-16:50 **Vladimir Vechernin, Russia**
Cumulative production at central rapidities and large transverse momenta at NICA
- 16:50-17:10 **Stanislav Smolyansky, Russia**
Radiation Accompanying the Schwinger Effect in the Graphene
- 17:10-17:30 **Alexander D'yachenko, Russia**
Emission of cumulative protons, pions, kaons and antiprotons in collisions of heavy ions of intermediate energies based on the non-equilibrium hydrodynamic approach
- 17:30-17:50 **Alexander Jerusalimov, JINR**
The study of the reaction $np \rightarrow n\pi^+\pi^-$ at the incident momenta $P_0 > 3\text{GeV}/c$
- 17:50-18:10 **Nugzar Makhaldiani, JINR**
Semi-Inclusive Distributions and Statistical Potentials

September 23, Saturday
Plenary Session
BLTP Conference Hall

Chairman S. Bondarenko

09:00-09:40 **Andrei Zaitsev, JINR**

Overview of unstable states studies in fragmentation of relativistic nuclei

09:40-10:20 **Stepan Shinanskiy, JINR**

From cumulative processes to cold superdense baryon matter

10:20-10:40 **Oleg Kouznetsov, JINR**

Studies of the nucleons structure using the SIDIS azimuthal angle asymmetries calculated with modified double ratios of numbers of the hadrons

10:40-11:20 **Victor Braguta, JINR**

Influence of relativistic rotation on QCD properties

11:20-11:30 **Alexandr Malakhov, JINR**

Closing